

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method for sustaining operation of a smart portable object (4) provided with a processor block (6) having at least two communications and/or power supply interfaces that are contact and/or contactless interfaces, said method including a step (RST) for reinitializing the processor block (6); wherein said method ~~being characterized in that~~ it includes at least one step for delaying and/or faking re-initialization in the event that a call/communication or an application is being processed by the processor block.

2. (Currently Amended) A method according to claim 1, ~~characterized in that~~ wherein it includes at least one phase of detecting a reset (RST) transition (5.16; 16.16) capable of perceiving an interruption, e.g. in the form of an interruption processing routine.

3. (Currently Amended) A method according to claim 1 ~~or claim 2, characterized in that~~ wherein it provides at least one phase of delaying the reset instructions, which phase includes at least one memory zone address, with a chosen code; the memory zone receiving instructions coming from the chosen code, execution of which generates delay commands.

4. (Currently Amended) A method according to claim 3, ~~characterized in that~~ wherein, during the delay phase, execution of the instructions coming from the chosen code generates at least one of the following delay commands: block the contact interface (7) in its current state, e.g. by sending a single usual Answer-to-Reset ("ATR") byte in response to activation of the reset; continue the application using the contactless interface (3); keep data useful to the contactless application in a memory without erasure; verify the ON state of the contact interface (7); and resume the functions required for the contact interface (7), e.g. by ending a series of Answer-to-Reset (ATR) bytes.

5. (Currently Amended) A method according to claim 4, ~~characterized in that~~ wherein a delay command with functions being resumed takes place after a predefined number of clock cycles, e.g. approximately in the range of 400 clock cycles to 40,000 clock cycles.

6. (Currently Amended) A method according to ~~any one of claims 1 to 5,~~ characterized in that claim 1, wherein, during a reset (RST) transition ~~(15.16)~~ from a via the contactless interface (3) operating state ~~(15)~~ to the dual operating state ~~(16)~~, at least one immediate warning step is provided in addition to the keep data in a memory step.

7. (Currently Amended) A method according to claim 6 ~~or claim 7,~~ characterized in that wherein the immediate warning step provides a phase of switching over between the resources so that they are drawn at least in part via the contactless interface (3).

8. (Currently Amended) A method according to claim 6, ~~characterized in that~~ wherein the immediate warning step provides a phase of switching over between the resources so that they are drawn at least in part via the contact interface (7).

9. (Currently Amended) A method according to ~~any one of claims 1 to 8,~~ characterized in that claim 1, wherein, at the end of the warning step, interruptions are generated when a buffer receive memory is considered to be saturated, and can be processed by an operating system of the processor block (6), said interruptions, for example, notifying the application that data is available for processing.

10. (Currently Amended) A method according to claim 9, ~~characterized in that~~ wherein when a contactless frame arrives, the warning step effects at least one phase of: detecting said frame, e.g. by means of the presence of a contactless electrical power supply source; transforming the frame into binary form, and initializing, for example, anti-collision processing; and, once the frame in question is considered as being correctly received and the preceding steps as being effected normally, the usual processing is authorized.

11. (Currently Amended) A method according to ~~any one of claims 1 to 10,~~ characterized in that claim 1, wherein the other contactless standard is Standard ISO.IEC1443 relating to the contactless interface (3).

12. (Currently Amended) A method according to ~~any preceding claim,~~ characterized in that claim 1, wherein said object (4) is suitable for communicating with at least one electronic data transmission terminal (2) via a contact interface (7) in compliance with Standard ISO77816.

13. (Currently Amended) A device for sustaining fully simultaneous operation of a smart portable object (4) having a dual interface, and provided with a processor block (6); said object (4) being suitable for communicating with at least one electronic data transmission terminal (2) for electronically transmitting data via a contact interface in compliance with Standard ISO7816.3, and also in contactless manner via a contactless interface (3) and in compliance with another, contactless standard; said device making provision as follows: the terminal (2) is connected to the object (4) via the contact interface (7) so as to be made secure by the object (4); in the dual interface operating state (16), the contact interface (7) and the contactless interface (3) operate at the same time; the processor block (6) including reset (RST) circuits for the purpose of reinitializing it when the contact interface (7) is reset (RST); said device ~~being characterized in that~~ wherein it includes at least transaction-sustaining means (101), including at least one element for delaying and/or faking re-initialization ordered by the contact interface (7) during a reset (RST) transition aiming to reinitialize the processor block (6).

14. (Currently Amended) A device according to claim 13, ~~characterized in that~~ wherein the transaction-sustaining means (101) include at least one element (107) for detecting a hot reset (RST) transition (~~15.16; 16.16~~), which element is capable of perceiving an interruption, said element (107) being, for example, in the form of wiring suitable for perceiving an interruption, and for generating interruption processing.

15. (Currently Amended) A device according to claim 13 ~~or 14, characterized in that~~ wherein the transaction-sustaining means (101) include at least one delay element for delaying the reset instructions, which element includes at least one memory zone address, with a chosen code; the memory zone receiving instructions coming from the chosen code, execution of which generates delay commands.

16. (Currently Amended) A device according to claim 15, ~~characterized in that~~ wherein the delay element includes at least one delay block for delaying by at least: time-delay blocking of the contact interface (7); continuing the application using the contactless interface (3); keeping data useful to the contactless application in a memory without erasure; verifying the ON state of the contact interface (7); resuming the functions required for the contact interface (7).

17. (Currently Amended) A device according to ~~any one of claims 13 to 16,~~
~~characterized that~~ claim 13, wherein, in addition to the transaction-sustaining means (101),
the device includes immediate warning means (102).

18. (Currently Amended) A device according to claim 17, ~~characterized in that~~
wherein the warning means (102) include at least one element for switching over the
resources to the contactless interface (3).

19. (Currently Amended) A device according to claim 17 ~~or claim 18, characterized~~
~~in that~~ wherein warning means (102) include, at their output, at least one element with a
plurality of buffer receive memories and suitable for generating interruptions if a memory is
considered to be saturated.

20. (Currently Amended) A device according to ~~any one of claims 17 to 19~~
~~characterized in that~~ claim 17, wherein the warning means (102) include at least one
contactless frame detection element.

21. (Currently Amended) A transmit terminal (2) having at least one connection via
galvanic contact to a smart portable object (4) having a dual interface, with a contact
interface (7) enabling the object (4) to make the terminal (2) secure; the object (4) being
provided with a chip (6) and being suitable for communicating with the terminal (2) via the
contact interface (7) in compliance with Standard ISO7816.3; the object (4) further being
provided with a contactless interface (3) communicating in compliance with another,
contactless standard; wherein said terminal (2) ~~being characterized in that it is suitable for~~
taking part in implementing the method according to ~~any one of claims 1 to 11~~ claim 1 and/or
~~for receiving the object (1) including the device according to any one of claims 12 to 19.~~

22. (Currently Amended) A terminal (2) according to claim 21, ~~characterized in that~~
wherein said terminal (3) forms a cellphone (~~e.g. GSM; 3GPP; UMTS; CDMA, etc.~~) and/or a
handheld personal digital assistant (PDA); and/or a decoder; and/or a computer.

23. (Currently Amended) A portable smart object (4) suitable for taking part in
implementing the method according to ~~any one of claims 1 to 11~~ claim 1 and/or including a
~~device according to any one of claims 12 to 20 and/or suitable for being connected to a~~
~~terminal according to claim 21 or claim 22~~ wherein said object (4) being characterized in

that it is a dual-interface object, and is provided with a chip (6); the object (4) being suitable for communicating with at least one electronic data transmission terminal (2) for electronically transmitting data via a contact interface (7) in compliance with Standard ISO7816.3, and via a contactless interface (3) and in compliance with another, contactless standard; the method making provision for: the terminal (2) to be made secure by the object (4) via the contact interface (7).

24. (Currently Amended) An object (4) according to claim 23, ~~characterized in that~~ wherein said object (4) is a smart card; an electronic ticket, a "dongle"; or a module such as a proximity communications module (e.g. a Near Field Communications (NFC) module or a semi-proximity (e.g. BlueTooth) module.

25. (New) A transmit terminal having at least one connection via galvanic contact to a smart portable object having a dual interface, with a contact interface enabling the object to make the terminal secure; the object being provided with a chip and being suitable for communicating with the terminal via the contact interface in compliance with Standard ISO7816.3; the object further being provided with a contactless interface communicating in compliance with another, contactless standard; wherein said terminal is suitable for receiving the object including the device according to claim 13.

26. (New) A portable smart object including a device according to claim 13, wherein said object is a dual-interface object, and is provided with a chip; the object being suitable for communicating with at least one electronic data transmission terminal for electronically transmitting data via a contact interface in compliance with Standard ISO7816.3, and via a contactless interface and in compliance with another, contactless standard; the method making provision for: the terminal to be made secure by the object via the contact interface.

27. (New) A portable smart object suitable for being connected to a terminal according to claim 21, wherein said object is a dual-interface object, and is provided with a chip; the object being suitable for communicating with at least one electronic data transmission terminal for electronically transmitting data via a contact interface in compliance with Standard ISO7816.3, and via a contactless interface and in compliance with another, contactless standard; the method making provision for: the terminal to be made secure by the object via the contact interface.